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IN THE CLAIMS

Claims 1-34 (canceled)

35. (currently amended) A process comprising coating a surface of a metallic object with an aqueous, acidic composition to form a coated metal, wherein said aqueous, acidic composition comprises:

8 to 50 g/l of phosphate, calculated as PO₄,

0.5 to 30 g/l of zinc ions,

0 to 5 g/l of manganese ions,

0 to 8 g/l of calcium ions,

0 to 5 g/l of magnesium ions,

wherein at least 0.1 g/l of at least one of calcium or or/and magnesium ions are present,

0.1 to 5 g/l of nitroguanidine,

0 to 2 g/L NO_3 ,

0 to < 0.8 g/L NO₂,

0.1 to 10 g/l in total of at least one of chlorate or peroxide ions,

in total 0 to 16 g/l of complex fluoride of the formula MeF₄, MeF₆, or both, wherein Me is selected from the group consisting of Si, Ti, Hf and Zr,

0 to 5 g/l of fluoride ions,

wherein the total content of complex fluoride and fluoride ions is in the range from 0.1 to 18 g/l and wherein the ratio of free acid to total acid is from 0.25:1 to 0.11 to 1; and cold forming the coated metal.

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- 36. (previously presented) A process according to claim 35, wherein the composition comprises not more than 1 g/l of nitrate.
- 37. (previously presented) A process according to claim 35, wherein the composition comprises not more than 0.5 g/l of nitrite.
- 38. (currently amended) A process according to claim 35, wherein the composition comprises at least one of a complex fluoride or or/and fluoride ions to magnesium ions in a ratio of (MeF₄, MeF₆ or/and F): Mg in the a range from 0.1: 1 to 10:1.
- 39. (currently amended) A process according to claim 35, wherein the composition comprises at least one of a complex fluoride or or/and fluoride ions to calcium ions in a ratio of (MeF₄, MeF₅ or/and F): Ca in the range from 0.1:1 to 10:1.
- 40. (previously presented) A process according to claim 35, wherein the composition further comprises up to 2 g/l nickel ions.
- 41. (previously presented) A process according to claim 35, wherein the composition comprises chloride ions in the range up to 5 g/l.
- 42. (previously presented) A process according to claim 35, wherein the composition further comprises up to 2 g/l sulfate ions.

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- 43. (previously presented) A process according to claim 35, wherein the composition comprises fluoroborate.
- 44. (previously presented) A process according to claim 24, wherein the composition comprises from 0.1 to 5 g/l BF₄
- 45. (previously presented) A process according to claim 24, wherein the composition comprises from 0.2 to 3 g/l BF₄.
- 46. (previously presented) A process according to claim 35, wherein the pH of the composition is maintained in the range from 0.1 to 4.
- 47. (previously presented) A process according to claim 35, wherein a phosphate layer which has at least one of a layer thickness in the range from 0.02 to 15 μ m or a layer weight in the range from 0.5 to 25 g/m² is formed on said surface.
- 48. (currently amended). A process according to claim 35, wherein a phosphate layer is formed on the surface which has an average edge length of the phosphate crystals of less than 20 μ m or even of less than 10 μ m and at the same time has a layer thickness with a layer weight in the range of 1.5 to 18 g/m² is formed on the surface.
- 49. (previously presented) A process according to claim 48, wherein the layer weight is from 2 to 15 g/m².

- 50. (previously presented) A process according to claim 35, wherein after the formation of the phosphate layer at least one layer comprising lubricant is applied.
- 51. (previously presented) A process for coating surfaces of metallic objects with a phosphating solution to form a coated metal, wherein the ratio of the pickling erosion on the metallic surface, measured in g/m², to the layer weight of the phosphate layer, measured in g/m², lies at values below 75% and wherein the ratio of free acid to total acid of said solution is from 0.25:1 to 0.11 to 1, and coldforming the coated metal.
 - 52. (currently amended) An aqueous phosphating solution comprising:
 - 8 to 100 g/l of phosphate, calculated as PO₄,
 - 0.5 to 60 g/l of zinc ions,
 - 0 to 10 g/l of manganese ions,
 - 0 to 16 g/l of calcium ions,
 - 0 to 10 g/l of magnesium ions,

wherein at least 0.1 g/l of at least one of calcium or magnesium ions are present, 0.05 to 10 g/l of nitroguanidine,

- 0 to 2 g/l of nitrate.
- 0.1 to 10 g/l in total of chlorate or/and peroxide ions,

in total 0 to 16 g/l of complex fluoride of the formula MeF₄, MeF₆, or both, wherein Me is selected from the group consisting of Si, Ti, Hf and Zr,

0 to 5 g/l of fluoride ions,

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wherein the total content of complex fluoride and fluoride ions is in the range from 0.1 to 18 g/l and wherein the ratio of free acid to total acid is from 0.25:1 to 0.11 to 1.

- 53. (previously presented) A metallic object coated produced by the process of claim 35 that is coldformed.
- 54. (currently amended) A process comprising coating a surface of a metallic object with an aqueous, acidic composition to form a coated metal, wherein the aqueous, acidic, composition consists essentially of:
 - 8 to 50 g/l of phosphate, calculated as PO₄,
 - 0.5 to 30 g/l of zinc ions,
 - 0 to 5 g/l of manganese ions,
 - 0 to 8 g/l of calcium ions,
 - 0 to 5 g/l of magnesium ions,

wherein at least 0.1 g/l of at lest one of calcium or or/and magnesium ions are present,

- 0.1 to 5 g/l of nitroguanidine,
- 0.1 to 10 g/l in total of at least one of chlorate or or/and peroxide ions,

in total 0 to 16 g/l of complex fluoride of the formula MeF₄, MeF₆, or both, wherein Me is selected from the group consisting of Si, Ti, Hf and Zr,

0 to 5 g/l of fluoride ions,

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wherein the total content of complex fluoride and fluoride ions is in the range from 0.1 to 18 g/l and wherein the ratio of free acid to total acid is from 0.25:1 to 0.11 to 1, and coldforming the coated metal.

A process comprising coating a surface of a metallic object 55. (currently amended) with an aqueous, acidic composition to form a coated metal, wherein the aqueous, acidic composition consists of:

8	to	50 g/l	of phosphate, calculated as PO ₄ ,
0.5	to	30 g/l	of zinc ions,
0	to	5 g/l	of manganese ions,
0	to	8 g/l	of calcium ions,
0	to	5 g/l	of magnesium ions,

wherein at least 0.1 g/l of at least one of calcium or ex/and magnesium ions are present,

> 0.1 5 g/l of nitroguanidine,

0.1 10 g/l in total of at least one of chlorate or er/and peroxide ions,

in total 0 to 16 g/l of complex fluoride of the formula MeF4, MeF6, or both, wherein Me is selected from the group consisting of Si, Ti, Hf and Zr,

> 0 5 g/l of fluoride ions,

wherein the total content of complex fluoride and fluoride ions is in the range from 0.1 to 18 g/l and wherein the ratio of free acid to total acid is from 0.25:1 to 0.11 to 1.

56. (currently amended) An aqueous phosphating solution comprising consisting essentially of:

8	to	100 g/l of phosphate, calculated as PO ₄ ,
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0.5 to 60 g/l of zinc ions,

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0 to 10 g/l of manganese ions,

0 to 16 g/l of calcium ions,

0 to 10 g/l of magnesium ions,

wherein at least 0.1 g/l of at least one of calcium or or/and magnesium ions are present,

0.05 to 10 g/l of nitroguanidine,

0 to 2 g/l of nitrate,

0.1 to 10 g/l in total of chlorate or peroxide ions or both;

in total 0 to 16 g/l of complex fluoride of the formula MeF₄, MeF₆, or both, wherein Me is selected from the group consisting of Si, Ti, Hf and Zr,

0 to 5 g/l of fluoride ions,

wherein the total content of complex fluoride and fluoride ions is in the range from 0.1 to 18 g/l and wherein the ratio of free acid to total acid is from 0.25:1 to 0.11 to 1, wherein the aqueous phosphating solution is substantially free or free of cobalt.

57. (currently amended) An aqueous phosphating solution consisting of:

8 to 100 g/l of phosphate, calculated as PO₄,

0.5 to 60 g/l of zinc ions,

0 to 10 g/l of manganese ions,

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- 0 to 16 g/l of calcium ions,
- 0 to 10 g/l of magnesium ions,

wherein at least 0.1 g/l of at least one of calcium or or/and magnesium ions are present,

0.05 to 10 g/l of nitroguanidine,

- 0 to 2 g/l of nitrate,
- 0.1 to 10 g/l in total of chlorate or peroxide ions, or both;

in total 0 to 16 g/l of complex fluoride of the formula MeF₄, MeF₆, or both, wherein Me is selected from the group consisting of Si, Ti, Hf and Zr,

0 to 5 g/l of fluoride ions,

wherein the total content of complex fluoride and fluoride ions is in the range from 0.1 to 18 g/l and wherein the ratio of free acid to total acid is from 0.25:1 to 0.11 to 1.

- 58. (new) The aqueous phosphating solution of claim 56, wherein the solution is free of cobalt.
- 59. (new) The aqueous phosphating solution of claim 56, wherein the solution is substantially free of cobalt.
- 60. (new) The aqueous phosphating solution of claim 35, wherein the solution is free of cobalt.
- 61. (new) The aqueous phosphating solution of claim 35, wherein the solution is substantially free of cobalt.
 - 62. (new) The process of claim 51, wherein the solution is free of cobalt.
- 63. (new) The process of claim 51, wherein the solution is substantially free of cobalt.

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- The aqueous phosphating solution of claim 52, wherein the solution is free 64. (new) of cobalt.
- The aqueous phosphating solution of claim 52, wherein the solution is 65. (new) substantially free of cobalt.
- The aqueous phosphating solution of claim 54, wherein the solution is free 66. (new) of cobalt.
- The aqueous phosphating solution of claim 54, wherein the solution is 67. (new) substantially free of cobalt.
- The aqueous phosphating solution of claim 55, wherein the solution is free 68. (new) of cobalt.
- The aqueous phosphating solution of claim 55, wherein the solution is 69. (new) substantially free of cobalt.
- The aqueous phosphating solution of claim 57, wherein the solution is free 70. (new) of cobalt.
- The aqueous phosphating solution of claim 57, wherein the solution is 71. (new) substantially free of cobalt.

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